Figure 1

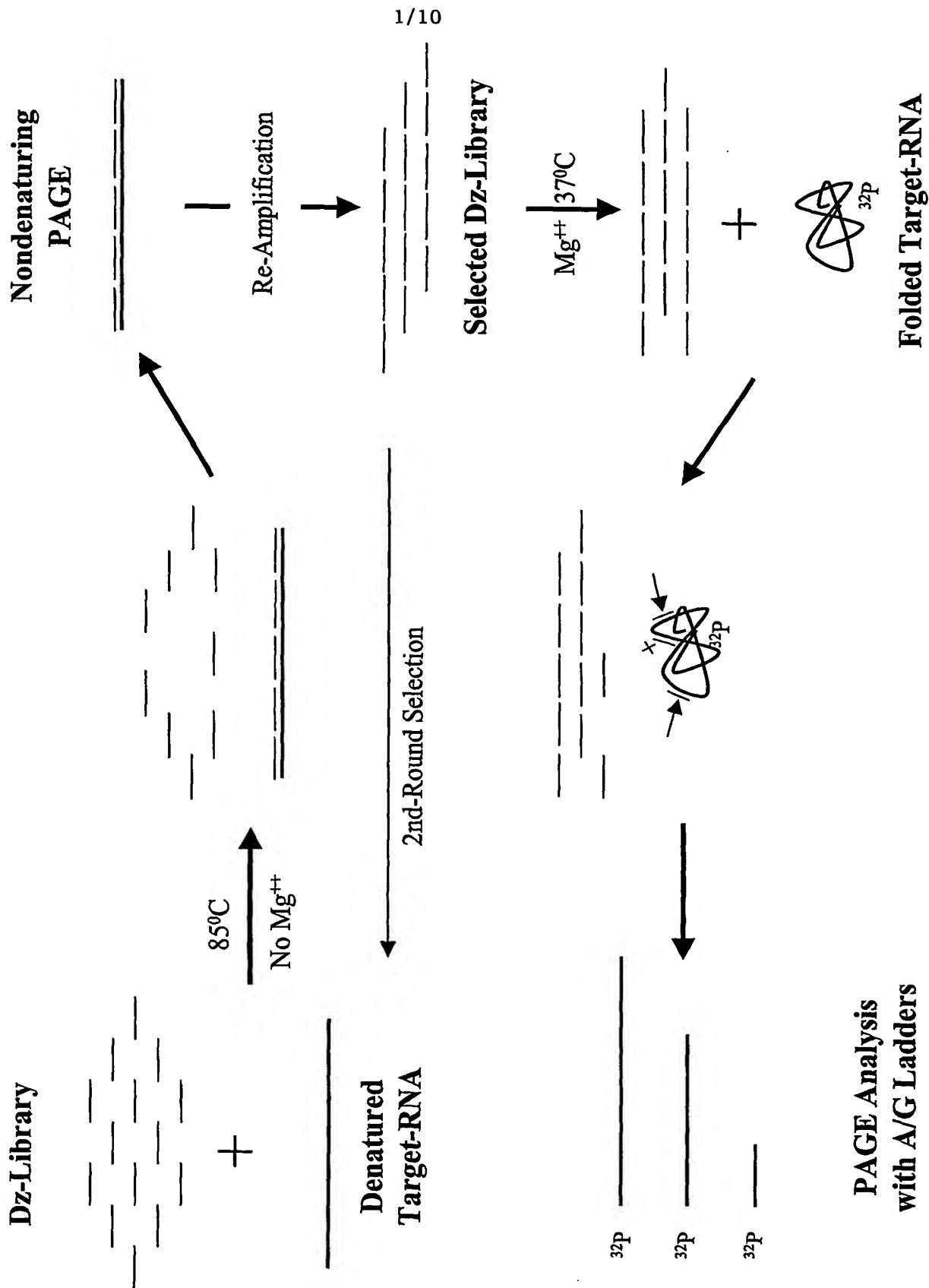# Figure 2

A.

```
   TS-17 Primer
5'-CAGGAAACAGCTATGAC-3'
5'-CAGGAAACAGCTATGACNNNNNNNNRGGCTAGCTACAACGANNNNNNNNNCTGGCCGTCGTTTTACA-3'
                                3'-GACCGGCAGCAAAATGT-5'
                                        BS-17 Primer
```
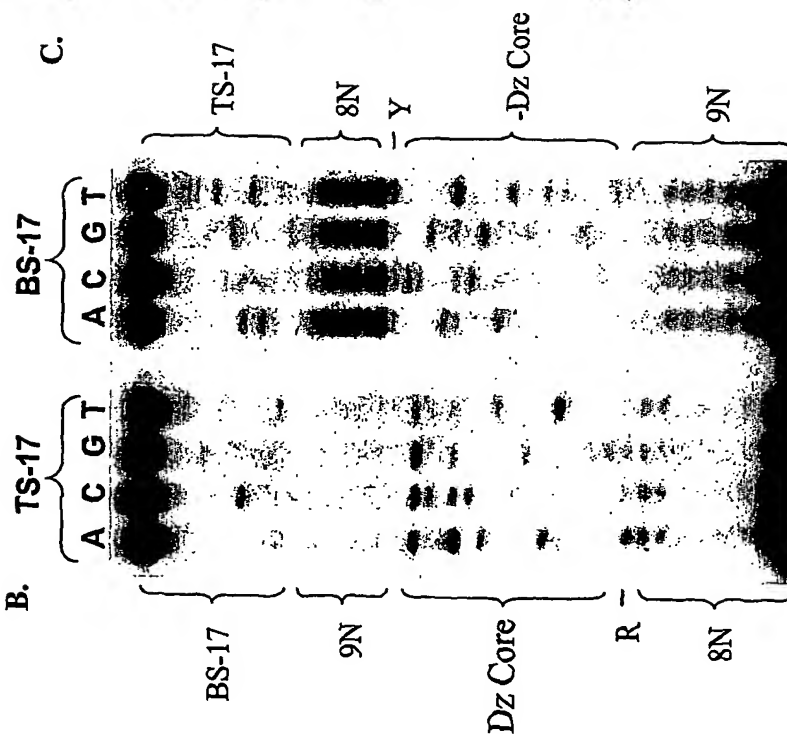
↓ PCR

```
5'-CAGGAAACAGCTATGACNNNNNNNNRGGCTAGCTACAACGANNNNNNNNNCTGGCCGTCGTTTTACA-3'
3'-GTCCTTTGTCGATACTGNNNNNNNNYCCGATCGATGTTGCTNNNNNNNNNGACCGGCAGCAAAATGT-3'
```
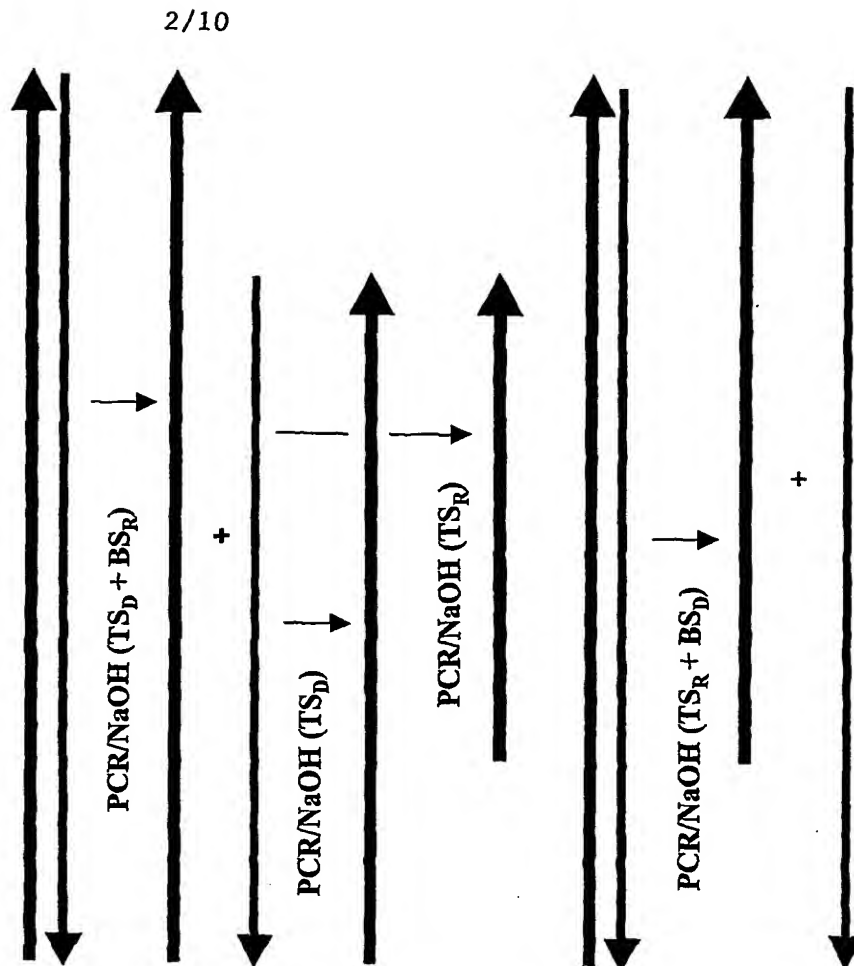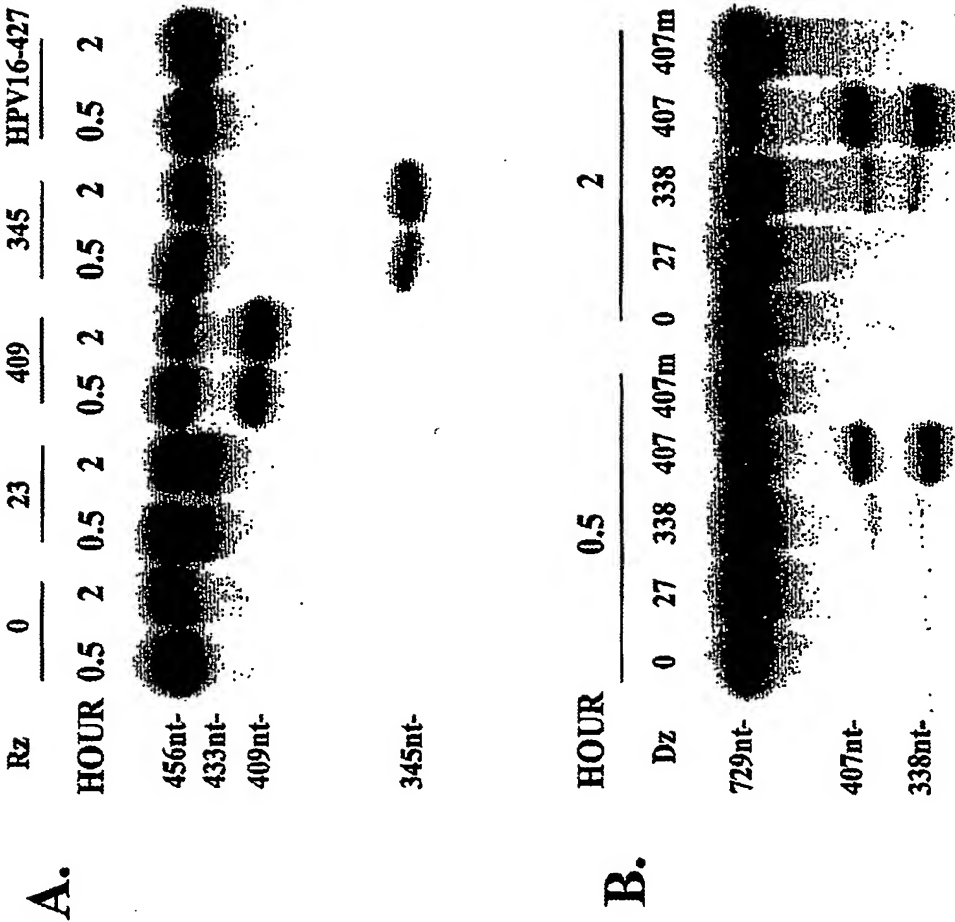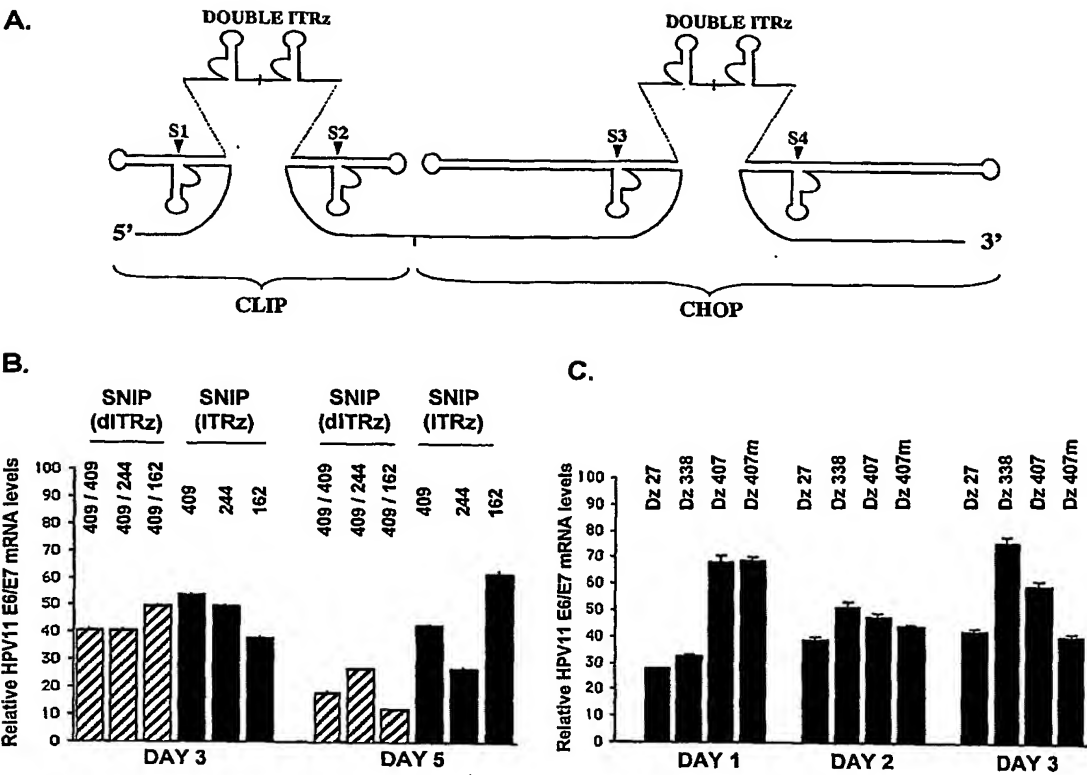
B.

C.

Figure 3

Figure 4

A.

B.   **C.**

Figure 5

A.

B.

Rz   427 275 251 187   68   59   0

nM   1   2.6 6.4   16   40 100   0

782 nt-

782 nt-

427 nt-

275 nt-
251 nt-

187 nt-

68 nt-

59 nt-

59 nt-

Figure 6

Figure 7

Figure 8

Figure 9

A

5'-NNNNNUH NNNNNNN-3' -Target RNA- 5'-NNNNNNN XYNNNN-3'
3'-NNNNNNA NNNNNNN-5'   3'-NNNNNNN XNNNNN-5'

Q A CU G N   Q G A G C N
  A G A   C G C T
    G GAGU   A A CAT CG
    C A U
    G C C
    A G U
      G

   Rz   Dz

H=A, C, U   X=A, G, C, T;   Y=A, G, C, T

B

Rz   1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
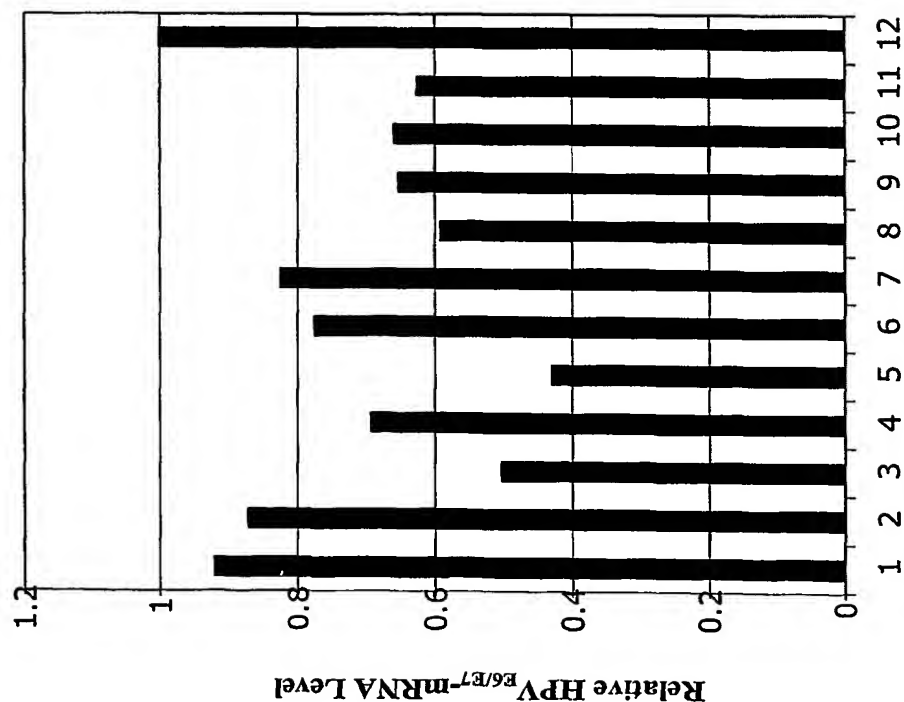
Dz   1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
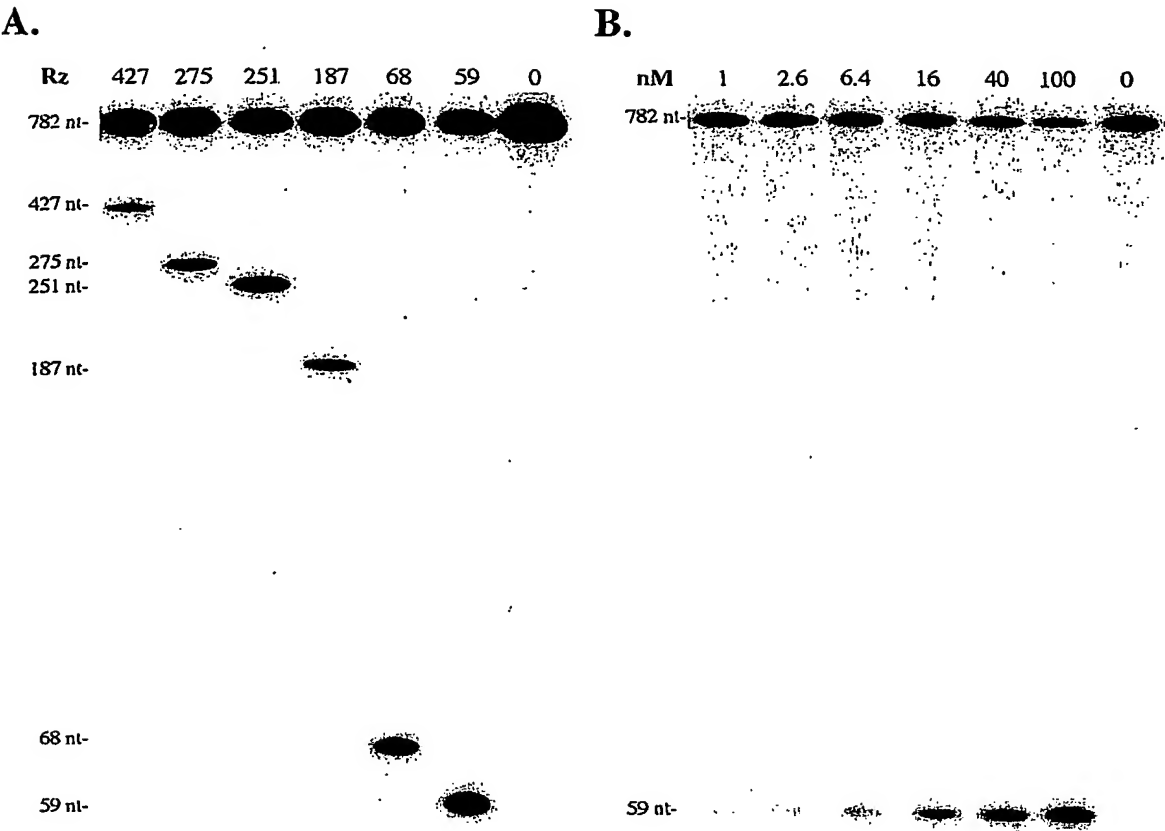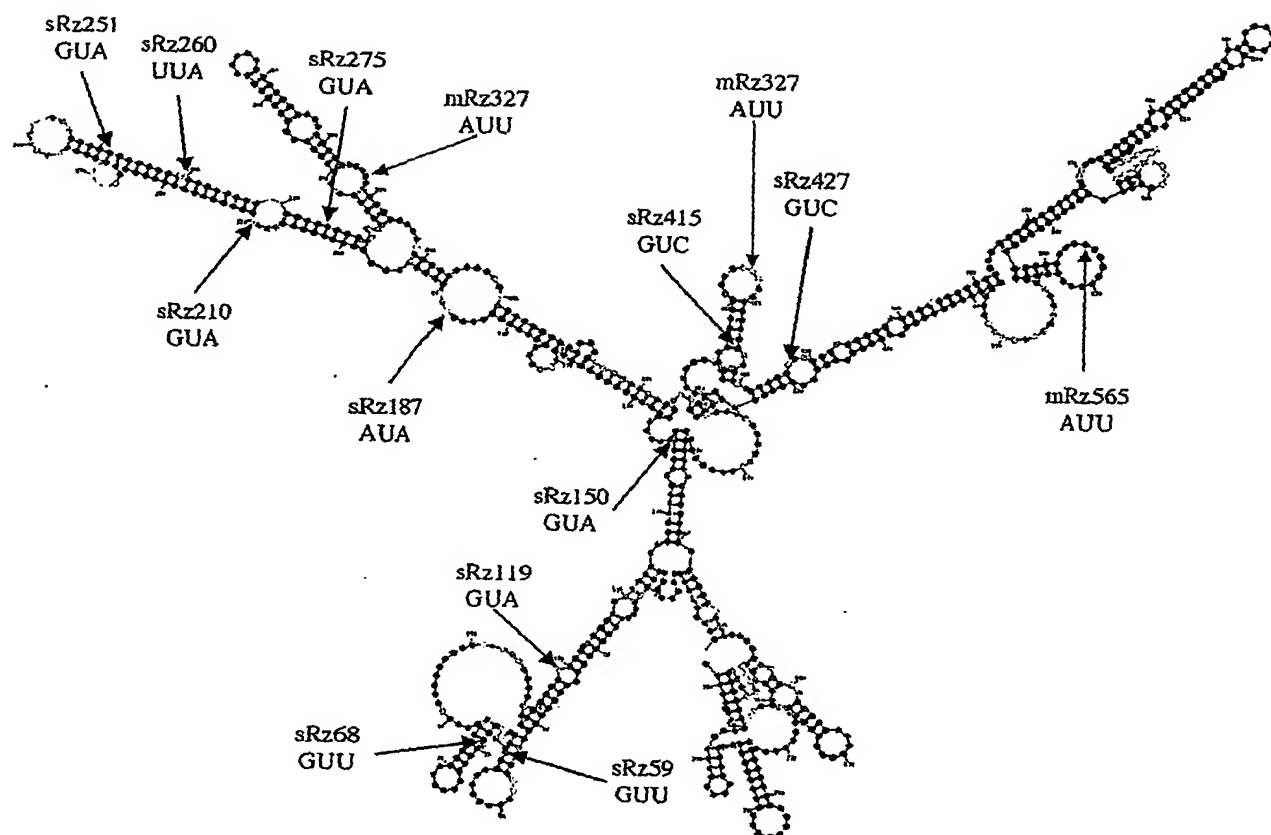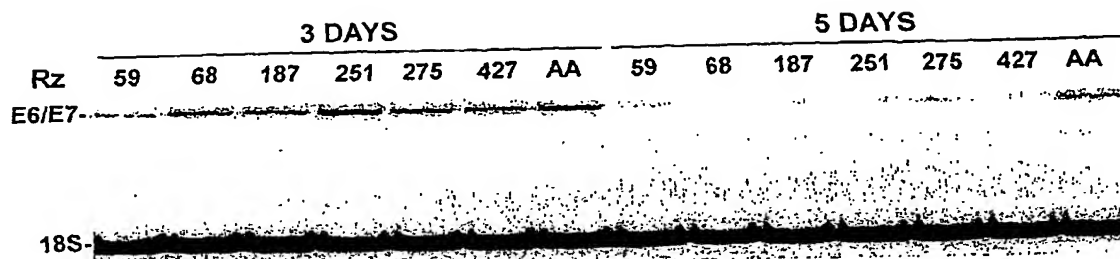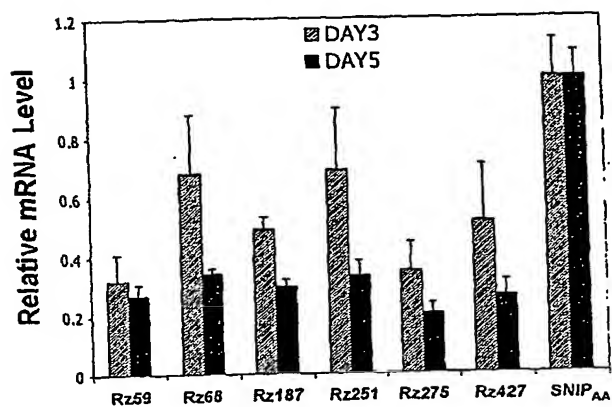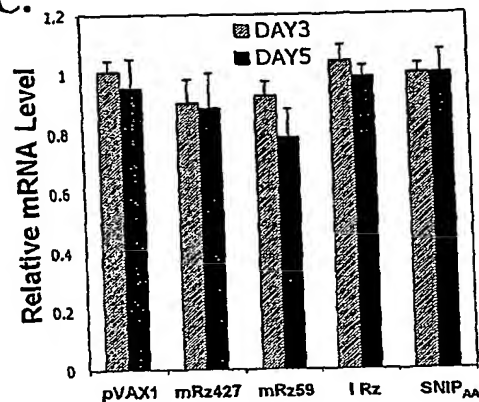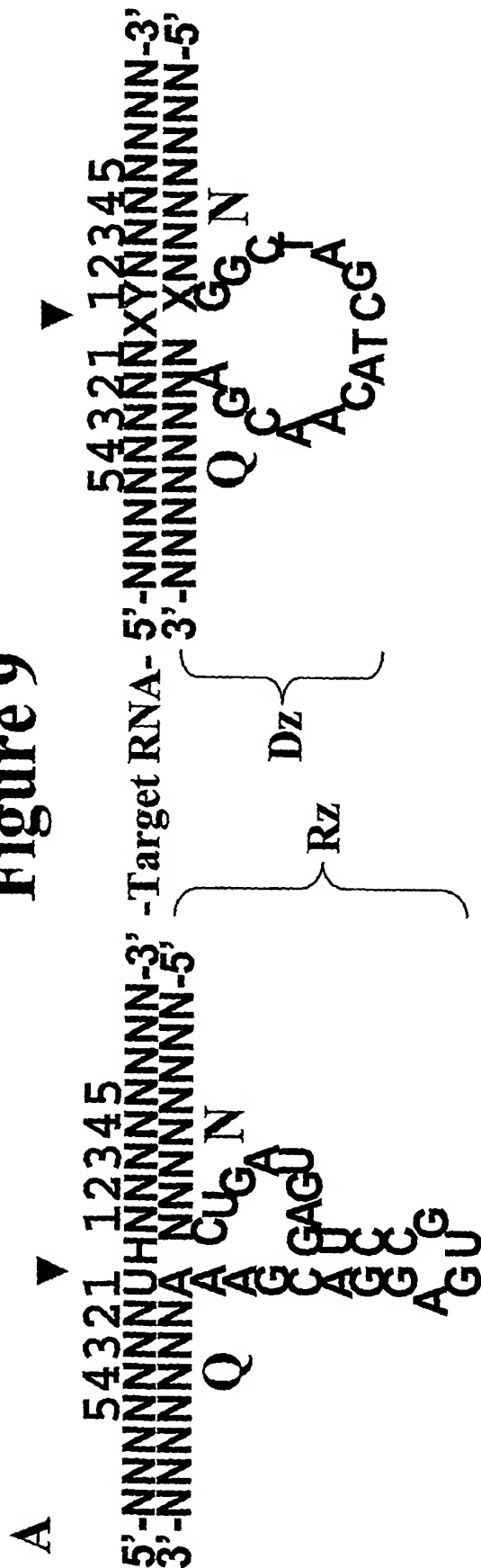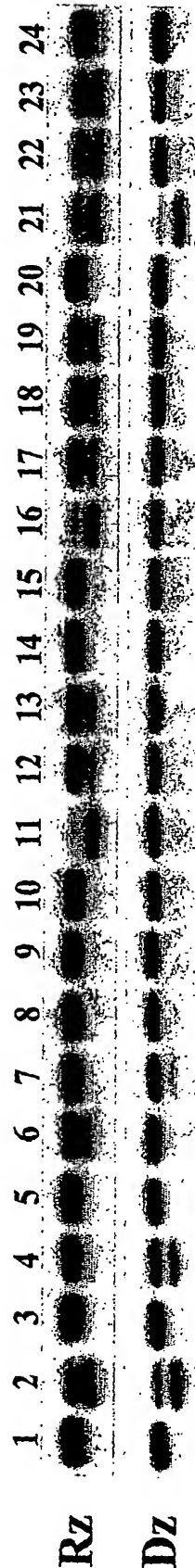
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Figure 10